WAGNER

Industrial Solutions

Experience fascinating surfaces

Legend

Liquid application

AL Suitable for Airless applications

AC Suitable for AirCoat applications

AS Suitable for Airspray applications

Protective coating

Metal coating

Wood coating

Plastic coating

CE Complies with CE directive

Ex Complies with ATEX directive

Products from WAGNER Industrial Solutions stand for maximum reliability, quality for your specific requirements.

AirCoat manual and automatic guns

WAGNER AirCoat combines Airless and air atomizing spraying technologies. It not only delivers an excellent coating quality using significantly less spray pressure than Airless and significantly less overspray than the AirSpray procedure, but is also a lot faster. WAGNER AirCoat manual and automatic guns offer not only ease of use, ergonomics, and low maintenance, but also precision, and a long service life.

1. Best atomization

The AirCoat atomization provides a softer and smoother spray pattern. Thanks to the new air cap design, the material pressure is reduced and the spray pattern becomes more homogenous.

2. Optimal ergonomics

With two different gun sizes that accommodate different users and low trigger and holding forces, these guns are notable for their fatigue-free handling.

3. WAGNER Cage filter

Newly developed gun filter. Compact and with high filter capacity. Installation with no risk of confusion. Thanks to the special filter design a significantly higher service life and a significantly easier filter change without tools is achieved.

4. High application efficiency

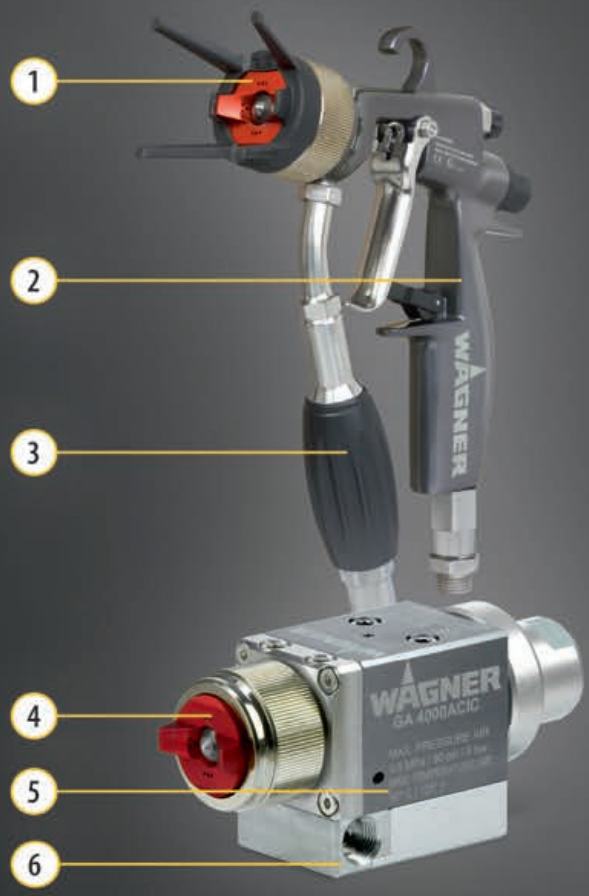
The fine and soft atomization combined with a homogenous particle size ensure a high application efficiency.

5. Light and compact

The GA 4000AC is the smallest and lightest automatic AirCoat gun of its class. This allows for more flexibility during installation and the lowest possible accelerated mass with quick movement sequences. Crucial in modern process automation.

6. Fixed settings

The WAGNER base plate system maintains all settings and the exact position during nozzle and gun changes. This allows reproducible coating results. Various base plates and adapters allow the integration into all current coating systems.



GM 4100AC

AirCoat manual gun

Light AirCoat manual gun with excellent ergonomics for smaller hands. With various nozzles and air caps for low-viscosity and highest-viscosity products.

Technical data	
Fluid inlet	A – NPSM 1/4“
Compressed air connection	A – G 1/4“
Max. material pressure	250,0 bar, 3626 PSI
Max. material temperature	55 °C, 131.0 °F
Max. air inlet pressure	8,0 bar, 116 PSI
Operating temperature	5 – 40 °C, 41.0 – 104.0 °F
Weight	0,6 kg, 1.3 lb
Max. sound level	82 dB(A)
Length	173,0 mm, 6.8 in
Height	206 mm, 8.1 in

Processable materials

- Stains
- Textured paints
- Clear coats
- Solvent and water based materials
- 2K materials
- High solids
- UV paints

Material wetted parts

- Tungsten carbide
- Stainless steel
- POM
- PTFE
- FPM
- PA

Included items

- GM 4100AC
- without nozzle
- Edge filter 100 mesh
- Return spring for 160/250 bar
- CE Declaration of Conformity
- Operating manual

Ordering information

- Selectable with or without air cap.
- Please always order the nozzle separately.

Product variants	Item no.	Price	PH 2
GM 4100AC 25MPa NPSM1/4“	394012	-	-
GM 4100AC - 25MPa LV red	2302513	-	-
GM 4100AC 25MPa HV blue	2302514	-	-

Service sets			
Service kit GM4100AC	394940	-	-

GM 4700AC

AirCoat manual gun

Light AirCoat manual gun with excellent ergonomics for larger hands. With various nozzles and air caps for materials with low-viscosity and highest-viscosity.

Technical data	
Fluid inlet	A – NPSM 1/4“
Compressed air connection	A – G 1/4“
Max. material pressure	250,0 bar, 3626 PSI
Max. material temperature	55 °C, 131.0 °F
Max. air inlet pressure	8,0 bar, 116 PSI
Operating temperature	5 – 40 °C, 41.0 – 104.0 °F
Weight	0,6 kg, 1.3 lb
Max. sound level	82 dB(A)
Length	173,0 mm, 6.8 in
Height	216 mm, 8.5 in

Processable materials

- Stains
- Textured paints
- Clear coats
- Solvent and water based materials
- 2K materials
- High solids
- UV paints

Material wetted parts

- Tungsten carbide
- Stainless steel
- POM
- PTFE
- FPM
- PA

Included items

- GM 4700AC
- CE Declaration of Conformity
- Operating manual
- Cagefilter 100 meshes
- Swivel joint (paint)
- Return spring 160/250 bar

Ordering information

- Selectable with or without air cap.
- Please always order the nozzle separately.

Product variants	Item no.	Price	PH 2
GM 4700AC 25MPa NPSM1/4“	2313585	-	-
GM 4700AC 25MPa-LV plus	2313586	-	-
GM 4700AC 25MPa-HV plus	2313587	-	-
GM 470AC 25MPa-LA plus	2313588	-	-

Service sets			
Service kit GM 4600AC/ GM 4700AC	394941	-	-

GM 4700AC-H

AirCoat manual gun

Light AirCoat manual guns with insulation for processing heated materials.

Technical data	
Fluid inlet	A – NPSM 1/4“
Compressed air connection	A – G 1/4“
Max. material pressure	250,0 bar, 3626 PSI
Max. material temperature	55 °C, 131.0 °F
Max. air inlet pressure	8,0 bar, 116 PSI
Operating temperature	5 – 40 °C, 41.0 – 104.0 °F
Weight	0,6 kg, 1.3 lb
Max. sound level	82 dB(A)
Length	173,0 mm, 6.8 in
Height	216 mm, 8.5 in

Processable materials

- Stains
- Textured paints
- Clear coats
- Solvent and water based materials
- 2K materials
- High solids
- UV paints

Material wetted parts

- Tungsten carbide
- Stainless steel
- POM
- PTFE
- FPM
- PA

Included items

- GM 4700AC-H
- CE Declaration of Conformity
- Operating manual
- Cagefilter 100 meshes

Ordering information

- Selectable with or without air cap.
- Please always order the nozzle separately.

Product variants	Item no.	Price	PH 2
GM 4700AC-H 25MPa NPSM1/4“	2314545	-	-

GA 4000ACIC

AirCoat automatic gun

AirCoat automatic guns with internal controller for the installation in automated lacquer spraying systems. Various base plates allow numerous installation options. With or without circulation.

Technical data	
Fluid inlet	I – G 1/4“
Compressed air connection	8 mm
Max. material pressure	250,0 bar, 3626 PSI
Max. material temperature	80 °C, 176.0 °F
Max. air inlet pressure	8,0 bar, 116 PSI
Operating temperature	5 – 40 °C, 41.0 – 104.0 °F
Ambient temperature	5 – 40 °C, 41 – 104 °F
Weight	0,7 kg, 1.5 lb
Max. sound level	82 dB(A)
Length	129,0 mm, 5.1 in
Width	47 mm, 1.9 in
Height	60 mm, 2.4 in

Processable materials

- Top coat paints
- Primers
- Corrosion protection
- Textured paints
- Stains
- Clear coats
- Water-based release agents
- Solvent-based release agents

Material wetted parts

- Stainless steel
- Tungsten carbide
- UHMW-PE
- PTFE
- POM
- PA
- EPDM

Included items

- GA 4000AC
- User manual
- CE Declaration

Ordering information

- Please order air cap, nozzle and base plate separately.
- Take material and air connections into account.
- Diverse selection of accessories for assembly and system integration.
- Variant (RP) with package insert for opening.

Product variants	Item no.	Price	PH 2
Gun GA 4000ACIC	2312132	-	-
Gun GA 4000ACIC (RP)	2338603	-	-
Packing insert GA 4000AC (RP)	2338601	-	-
Base plate GA 4000ACIC side con.	2312144	-	-
Base plate GA 4000ACIC-R	2308810	-	-

GA 4000ACEC

AirCoat automatic gun

AirCoat automatic guns with external controller for the installation in automated lacquer spraying systems. Various base plates allow numerous installation options. With or without circulation.

Technical data	
Fluid inlet	I – G 1/4"
Compressed air connection	8 mm
Max. material pressure	250,0 bar, 3626 PSI
Max. material temperature	80 °C, 176.0 °F
Max. air inlet pressure	8,0 bar, 116 PSI
Operating temperature	5 – 40 °C, 41.0 – 104.0 °F
Ambient temperature	5 – 40 °C, 41 – 104 °F
Weight	0,6 kg, 1.4 lb
Max. sound level	82 dB(A)
Length	115,0 mm, 4.5 in
Width	47 mm, 1.9 in
Height	60 mm, 2.4 in

Processable materials

- Top coat paints
- Primers
- Corrosion protection
- Textured paints
- Stains
- Clear coats
- Water-based release agents
- Solvent-based release agents

Material wetted parts

- Stainless steel
- Tungsten carbide
- UHMW-PE
- PTFE
- POM
- PA
- EPDM

Included items

- GA 4000AC
- User manual
- CE Declaration

Ordering information

- Please order air cap, nozzle and base plate separately.
- Take material and air connections into account.
- Diverse selection of accessories for assembly and system integration.
- Variant (RP) with package insert for opening.

Product variants	Item no.	Price	PH 2
Gun GA 4000ACEC	2312145	-	-
Gun GA 4000ACEC (RP)	2338602	-	-
Base plate GA 4000ACEC side con.	2312146	-	-
Base plate GA 4000ACEC-R	2308812	-	-
Base plate GA 4000ACEC-Fanuc Robot	2313677	-	-

AirCoat manual and automatic gun accessories

WAGNER offers a comprehensive accessories range for AirCoat manual and automatic guns. Please select the components you require from this table. Further articles can be found in the WAGNER accessories catalog.

● Are compatible to each other

	GM 4100AC	GM 4700AC	GM 4700AC-H	GA 4000ACIC	GA 4000ACEC			
Air cap manual guns								
Air cap HV plus (blue / GM 4x00AC)	●	●	●			2313497	-	-
Air cap LV plus (red / GM 4x00AC)	●	●	●			2313494	-	-
Air cap LA plus (bronze / GM 4x00AC)	●	●	●			2313498	-	-
Air cap automatic guns								
Air cap HV plus (blue / GA 4000AC)				●	●	2308809	-	-
Air cap LV plus (red / GA 4000AC)				●	●	2308808	-	-
Air cap LA plus (bronze / GA 4000AC)				●	●	2313493	-	-
Nozzles - flat jet								
ACF 3000 (see nozzle chart)	●	●	●	●	●	379xxx	-	-
ACF 3000 plus (see nozzle chart)	●	●	●	●	●	321xxx	-	-
Round spray nozzle holder								
ROUND JET NOZZLE ADAPTER	●	●	●	●	●	394180	-	-
Nozzle - round jet								
Nozzle insert R11	●	●	●	●	●	132720	-	-
Nozzle insert R12	●	●	●	●	●	132721	-	-
Nozzle insert R13	●	●	●	●	●	132722	-	-
Nozzle insert R14	●	●	●	●	●	132723	-	-
Nozzle insert R15	●	●	●	●	●	132724	-	-
Nozzle insert R16	●	●	●	●	●	132725	-	-
Nozzle insert R17	●	●	●	●	●	132726	-	-
Nozzle insert R18	●	●	●	●	●	132727	-	-
Nozzle insert R19	●	●	●	●	●	132728	-	-
Nozzle insert R20	●	●	●	●	●	132729	-	-
Nozzle insert R21	●	●	●	●	●	132730	-	-
Nozzle insert R22	●	●	●	●	●	132731	-	-
Filters								
Edge filter 60 mesh	●					3204604	-	-
Edge filter 100 mesh	●					3204605	-	-
Edge filter 200 mesh	●					9999002	-	-
Cage Filter -200M-red-10pcs.		●	●			2315723	-	-
Cage Filter -150M-blue -10pcs.		●	●			2315724	-	-
Cage Filter -100M-yellow -10pcs.		●	●			2315725	-	-
Cage Filter -50M-white-10pcs.		●	●			2315726	-	-

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WAGNER offers a comprehensive accessories range for AirCoat manual and automatic guns. Please select the components you require from this table. Further articles can be found in the WAGNER accessories catalog.

● Are compatible to each other

	GM 4100AC	GM 4700AC	GM 4700AC-H	GA 4000ACIC	GA 4000ACEC			
Material connection								
Fitting-EF-MM-R1/4-1/4NPSM-530bar-SSt				●	●	2314065	-	-
Fitting-DF-MM-G1/4-1/4NPSM-530bar-SSt				●	●	350550	-	-
AirCoat hose pack								
AC-hose-DN4-PN270-1/4"NPS-7,5m-PA-T	●	●	●			2309706	-	-
AC-hose-DN4-PN270-1/4"NPS-15,0m-PA-T	●	●	●			2309634	-	-
AC-hose-DN4-PN270-1/4"NPS-20,0m-PA-T	●	●	●			2309635	-	-
AC-hose-DN3-PN270-1/4"NPS-7,5m-PA-T	●	●	●			2309705	-	-
AirCoat hose pack								
AC-hose-DN4-PN270-1/4"NPS-10,0m-PA-T	●	●	●			2312801	-	-
Lock pin circulation								
Lock pin assy.				●	●	2310534	-	-
Lock pin FKM assy.				●	●	2314064	-	-
Swivel								
Fitting-SJM-GM4100AC-1/4"NPS	●					394926	-	-
SJA-MF-G1/4"-G1/4"-PN15-brass	●					364938	-	-
Swivel joint kit-GM4100AC	●					394931	-	-
Mounting accessories								
Holder standard 180				●	●	380941	-	-
Holder turnable				●	●	380942	-	-
Part-turn valve actuator assy.				●	●	380943	-	-
Adapter plate Cefla				●	●	2314079	-	-
Robot adapter Fanuc to ABB					●	383980	-	-
Robot adapter Fanuc to B&M					●	383981	-	-
Robot adapter Fanuc to ABB IRB 1400					●	383982	-	-
Robot adapter Fanuc to ABB D93					●	383985	-	-
Nozzle extensions								
Nozzle extension AC 300	●	●	●	●	●	394090	-	-
Nozzle extension AC 600	●	●	●	●	●	394091	-	-
Gun flush box								
GFB for GM 4100 AC	●					2308814	-	-
GFB for GM 4600/4700 AC		●	●			377174	-	-
Sealing sets								
Sealing-set GA 4000ACIC(EPDM)				●		2322532	-	-
Sealing-set GA 4000ACEC (EPDM)					●	2322533	-	-

AirCoat manual and automatic gun accessories

WAGNER offers a comprehensive accessories range for AirCoat manual and automatic guns. Please select the components you require from this table. Further articles can be found in the WAGNER accessories catalog.

● Are compatible to each other

Nozzle Chart | ACF 3000

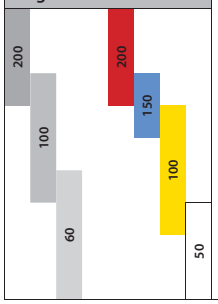
Part-No. 379xxx

To identify the part number of a nozzle, please use the number in the chart and replace the xxx. Example: to order a 411 nozzle use the part no.: 379411

Size	Spray angle						
	10°	20°	30°	40°	50°	60°	80°
07	107	207		407			
09		209	309	409	509	609	
11	111	211	311	411	511	611	811
13	113	213	313	413	513	613	813
15	115	215	315	415	515	615	815
17		217	317	417	517	617	817
19		219	319	419	519	619	819
21		221		421	521	621	821
23				423		623	823

55 (2.17)	100 (3.94)	145 (5.71)	195 (7.68)	250 (9.84)	300 (11.81)	400 (15.75)
Average spray width mm (inch)**						

Material filter (in mesh)



Bore inch (mm)	Material flow* l/min (gal/min)
0.007 (0.18)	0.23 (0.061)
0.009 (0.23)	0.26 (0.069)
0.011 (0.28)	0.38 (0.100)
0.013 (0.33)	0.55 (0.145)
0.015 (0.38)	0.75 (0.198)
0.017 (0.43)	0.96 (0.254)
0.019 (0.48)	1.20 (0.317)
0.021 (0.53)	1.45 (0.383)
0.023 (0.58)	1.79 (0.473)

* *Measured with water at 100 bar*

** *Measured with 110 bar (1595 psi), 30 cm (11.81 inch) distance, lacquer 56DIN-4s*

AirCoat manual and automatic gun accessories

WAGNER offers a comprehensive accessories range for AirCoat manual and automatic guns. Please select the components you require from this table. Further articles can be found in the WAGNER accessories catalog.

● Are compatible to each other

Nozzle Chart | ACF 3000 *plus*

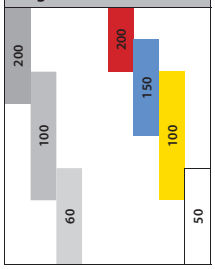
Part-No. 321xxx

To identify the part number of a nozzle, please use the number in the chart and replace the xxx. Example: to order a 410 nozzle use the part no.: 321410

Size	Spray angle				
	20°	30°	40°	50°	60°
08	208	308	408	508	
10	210	310	410	510	610
12	212	312	412	512	612
14	214	314	414	514	614
16	216	316	416	516	616
18	218	318	418	518	618
20		320	420		620
22			422		622

100 (3,94)	145 (5,71)	195 (7,68)	250 (9,84)	300 (11,81)
Average spray width mm (inch)**				

Material filter (in mesh)



Bore inch (mm)	Material flow* l/min (gal/min)
0,008 (0,20)	0,22 (0,058)
0,010 (0,25)	0,32 (0,084)
0,012 (0,30)	0,44 (0,116)
0,014 (0,36)	0,60 (0,159)
0,016 (0,41)	0,76 (0,201)
0,018 (0,46)	0,92 (0,244)
0,020 (0,51)	0,11 (0,030)
0,022 (0,56)	0,14 (0,036)

* *Measured with water at 100 bar*

** *Measured with 110 bar (1595 psi), 30 cm (11.81 inch) distance, lacquer 56DIN-4s*